



[illegible]

```

RESULT      2
US-07-955-905A-22
; Sequence 22, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; TITLE OF INVENTION: PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955, 905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 566 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Theobroma cacao
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..566
; OTHER INFORMATION: /note= "67 kD Precursor Protein"
US-07-955-905A-22

```

Query Match	32.4%;	Score 1145;	DB 1;	Length 566;
Best Local Similarity	41.1%;	Pred. No. 1.6e-97;		
Matches 237;	Conservative 107;	Mismatches 175;	Indels 58;	Gaps 13;

[illegible]

OY	343	IPGTFTEPLLRRDNNRNEHIAKFILOTJSTPEOYKEFPAGQONPEPLTSPFSEKILIEAL	4022
Db	236	VPAGSTVYVVSQDNOEKLTIVLALPVNSPCKYELFFPAGNNKPESTYGAFTSELTTF	2355
OY	403	NTQAEIRLGVILGOOR-----ECVILISASQEOIRELTJRDSESRMHIRGGESSRGP	454
Db	296	NTQAEIRLEELIEEORGOKRQOOGOCMPKAKPEPITRAISQOATSPR---HRGE--RLA	349
OY	455	YNLFKKRLPYENKNGOAEYKPEPDRYRQLODDVAFVFLANTQSGMMGPENFTRSTKVVVV	514
Db	350	INLISQTSVYVSNQNGCRFEAPCEPDSQPNNDVAVSAFKLNGQALPYPHINSKATPVFV	409
OY	515	ASGEADVEMACPHLSGRHGRGRGK--RHEEEDV-----HYEOVKARLSKREAIIVPV	566
Db	410	TDGYGVAAACPHLSROSQSGOSQSORRREDEEESSEETGEEFOOVYAAPLSPGIVFAPA	469
OY	567	GHPVYVVSAGCENILLFAGFINAGNNHNFPLAGEERVLVLOIFQOAMELFPAPRKVEE	626
Db	470	GHAIVTFEFSKQPLNAVAFGIQAQNNQRIPLAGK-KVLVQNMQSEAKELISFCVPSKLYDN	528
OY	627	LFNSODESIFFFPGPRQHOQSSKSTKQOQPLVSTLDF	663
Db	529	IFNNDESYFMFSQOQROR---ROBRGRNPPLASTLDF	562

```

RESULT      3
US-07-955-905A-23
; Sequence 23, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; TITLE OF INVENTION: PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 587 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Gossypium hirsutum
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..587
; OTHER INFORMATION: /note="Vicilin from G. hirsutum"
US-07-955-905A-23

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	Query Match	30.3%	Score 1069;	DB 1;	Length 587;	
	Best Local Similarity	38.1%;	Pred. No. 1.8e-90;			
	Matches 228;	Conservative 115;	Mismatches 182;	Indels 74;	Gaps 14;	
OY	76	DDPQTDCCOOCRCRQOESGPPROOYCOCRC-EICEEEETNRORDPOOYECCOERCQ	134			
		:     :	:     :     :     :     :	:		
Dd	35	DDPRKREDCRRCEMDTFGRKEQQOECSKSQYGEKDQHNPREDPRRYECCQDECR	94			
OY	135	RHELEPRHQTCOQRCEERYEKKKRKQARYEDOREDEKEYEERMKERDNKRDPQREY	194			
		- : - :     :	:     :	:		
Dd	95	--QOEERQPPCQQRK-----IKRFEGQQNQ-----SQRF	123			
OY	195	EDCRRCEQE--PQOYOCQRCREDOHNGRGDILNPR-----GSGRYEGEER	246			
		:::::     :     :     : ::	:			





Query Match 15.8%; Score 557; DB 1; Length 421;  
 Best Local Similarity 33.1%; Pred. No. 2.5e-43;  
 Matches 141; Conservative 74; Mismatches 155; Indels 56; Gaps 12;

DB 244 EEEKSDNPPYRD-ERSLSTRETEEGHISYLENFYGRSKLLRALKNYRLVLLLEANPAFV 302  
 30 EESQDNPEFYNSDNMSWMTLTKNQGHIRVLRQDFQDSKRLQNLDEYRLVEFRSKPTLL 89

DB 303 LPTHLDDAILLYTGGGALKMHRDNRESY-----NLEGDVIRIPAGTFFYLNRDN 356  
 90 LPQADDELLLVVRSGLILVLRPDRREFFLTSONPIFSDQKIPAGTFFLVNDDP 149

DB 357 NERLIKFLQTIPTPGQYKEFFPAGQNPPEYLTSTFSKELLEALNTQARLGVGQ- 415  
 150 KEDRLTIQLAMPVNP-QIHEFFLSTENAGOSYIOEFSKHLLESTFSKFEIRVLFEE 208

DB 416 -QREGYIISASQRIELTRDSESRMHIRGCESSRGHYNLFNRPPLYSNKYQAYE 473  
 209 EGQOEGYIVNIDSEQIKELSKHAKSSR-----KLSLKQDNITGNFGLTE 255

DB 474 VKRPDYQLQDMQSVFIANI--TQSGMGPFFNTSTKVVVVASGADVEMACPHLSGR 531  
 256 -----RTDNLINVLISLMEGALFVPHYYSKAILVLVNEGAAHVELV----- 300

DB 532 HGRGRGKRHEEEDVHYEQVKARLSKREAIIVPGHPVVFSSGNEALLFAFGINAON 591  
 301 --GPKGK-----ETLEFESYRALSKDDVFIIPAIVPAIKATSNVNF--GFGIVANN 351

DB 592 NHENFLAGRENNVLOQI-----EPQAMELAFAPARKVEEELFNSQDSIFPPGPRHQOQ 646  
 352 NNRLLAGTKTDNVISIGRALDGKDVGLTFESGSGDEVMLINKQSS-YFVAHHHQOE 410

DB 647 SSRSTK 652  
 DB 411 QQGRK 416

RESULT 8  
 US-08-056-200-94  
 ; Sequence 94, Application US/08056200  
 ; Patent No. 5616500  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Steiner, Peter M.  
 ; APPLICANT: Lee, Seung-Chul  
 ; APPLICANT: Kim, In-Gyu  
 ; APPLICANT: Chung, Soo-Il  
 ; TITLE OF INVENTION: Trichomyalin and Transglutaminase-3 and  
 ; NUMBER OF SEQUENCES: 117  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Knobe, Martens, Olson & Bear  
 ; STREET: 620 Newport Center Drive, Sixteenth Floor  
 ; CITY: Newport Beach  
 ; STATE: CA  
 ; COUNTRY: U.S.A.  
 ; ZIP: 92660  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; OPERATING SYSTEM: IBM PC compatible  
 ; SOFTWARE: Patentin Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; FILING DATE: US/08/056,200  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Fedrick, Michael F.  
 ; REGISTRATION NUMBER: 36,799  
 ; REFERENCE/DOCKET NUMBER: NIH054.001A  
 ; TELECOMMUNICATION INFORMATION:

TELEPHONE: (714) 760-0404  
 TELEFAX: (714) 760-9502  
 ; INFORMATION FOR SEQ ID NO: 94:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1898 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 US-08-056-200-94

Query Match 6.4%; Score 226; DB 1; Length 1898;  
 Best Local Similarity 19.0%; Pred. No. 1.1e-11;  
 Matches 128; Conservative 115; Mismatches 217; Indels 212; Gaps 24;

DB 28 ESEEDRQVEECCROCKQQLTSGQMRVCYQCKRFEDIDMSKYNDQDPDQCQCOR 87  
 441 EQQLRRQEE-----RHQKHQERREQLKREQERDMLKREE---ETERHQER 490

DB 88 RCQO-----QESGPRQOYCORCKETCEESEYNNQR-DPOOYEQO 130  
 491 RKQQLKRDQEEERERRLKLEEEEREOQ--ERREQQLREQEEERQQLKREEEERLQ 548

DB 131 ERQO-----RHETPRHMQTCQRCERRYEKERKQOQRYEQOQED-----EKYEER 179  
 549 QRLRSEQQLRRQDEERLEQLKREEEKRLQERREORLQREQERRDQLKREEEERQOR 608

DB 180 MKEDNKRDPQOQVEYECRCRCQOQRPQOYQOCORCRQOQROHGKGGDILNQGGSGR 239  
 609 LKREOEERLEQRLKREEVERL--EOERREORLREPEEERH---ELKSEQEEERR 662

DB 240 YEEGEEKOSNPYYFIDERSLSTFRTEEGHISYLENFYGRSKLLRALKNYRLVLLLEANPN 299  
 663 HEQLRQEQE-----RREQ-----RLKREEERL----- 687

DB 300 AFWLPTHLDDAILLYTGGGALKMHRDNRESYNLECGDVIRIPAGTFFYLINRDN 359  
 688 -----EORLKRHEEERREQELAEER-----EQQARER 715

DB 360 L--HIAKFLQTIPTPGQYKEFFPAGQNPPEYLTSTFSKELLEALNTQARLGVLCQOR 417  
 716 IKSRIPKQWQLESDARQ-----SKVLEAPQAGRAPADEQEKRR 759

DB 418 EGVYIISASQRIELTRDSESR---WHIRGCESSRGHYNLFNRPPLYSNKYQ--AY 472  
 760 RESELQWQEEERAHNRQOQDEQGRDFTWQQAEEKSERGQRSLSARPLRQEEERQLRAE 819

DB 473 EVKPEDYQLQDMQSVFIANITQSGMGPFFNTSTKVVVVASGADVEMACPHLSGRH 532  
 820 ERQOREQRLPE-----EEKE----- 836

DB 533 GGRGRGKRHEEEDVHYEQVKARLSKREAIIVPGHPVVFSSGNEALLFAFGINAON 592  
 837 --ORGRORERREKLOFLLEEEOLORRERA-----QOLDEEDQLQEDOE 879

DB 593 HENFLAGRENNVLOQLEPQ---AMELAFAP-----RKEVEELFNSQDSIFPPGPRH 643  
 880 RRQOERQROQKRWQLEEEKRRRHLLYAKPALQOQLRKE-QQLQDEEEEL-----QR 932

DB 644 QQQSSNSTKQOQ 655  
 DB 933 EEREKRRROEOE 944

RESULT 9  
 US-08-800-644-94  
 ; Sequence 94, Application US/08800644  
 ; Patent No. 5958752  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Steiner, Peter M.  
 ; APPLICANT: Lee, Seung-Chul  
 ; APPLICANT: Kim, In-Gyu  
 ; APPLICANT: Chung, Soo-Il

APPLICANT: Park, Sang-Chul  
TITLE OF INVENTION: Trichomyalin and Transglutaminase-3 and  
METHODS OF USING SAME  
NUMBER OF SEQUENCES: 117  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive, Sixteenth Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/800,644  
FILING DATE: 14-FEB-1997  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/056,200  
FILING DATE: 30-APR-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Pedrick, Michael F.  
REGISTRATION NUMBER: 36,799  
REFERENCE/DOCKET NUMBER: NIH054.001A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (714) 760-0404  
TELEFAX: (714) 760-9502  
INFORMATION FOR SEQ ID NO: 94:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1898 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-800-644-94

Query Match 6.4%; Score 226; DB 2; Length 1898;  
Best Local Similarity 19.0%; Pred. No. 11e-11;  
Matches 128; Conservative 115; Mismatches 217; Indels 212; Gaps 24;

28 ESEFDRQRYEACKRCQMOLETSQMRVCSDCKRFEEDIDMSKYNDPOTDCCQCOR 87  
441 EQLRREDEE-----RHQKHQDERRQRLKREQEERDWMKREE---ETERHDOER 490  
88 RCRO-----QESPRQOYCORCKEICEEEFEYROR--DPOQYEQO 130  
491 KQOQLKRDDEERERWMLKEEEREOO--EREOQLRDEEREOQLKROEEERLQ 548  
131 ERQO-----RHETPRHMOQCOQRCERYEKERKQOQRYEQOED-----EERYEER 179  
549 QRLRSQOQLRREDEERLQDLKREERKLEQERERQRLKREGERRDQILKREERQOQ 608  
180 MDEBNKRPQOQREYDCCRRCQOQRPQOYOCQRCREQOQHGSGDILNPQSGSCR 239  
609 LKREDEEREOQLKREBEVRL--EQEERDERLKRPEEERH---ELIKSEDEEER 662  
240 YEEGEKOSDNYFDERSLSTRFTEEGHISYLENFYGRSKLLRALKNYRLVLLANR 259  
663 HEQLRREOQ-----RREQ-----RLKREEEERL-----687  
300 AFLPLTHLDADALVLTGSGALKMIRNDRESYNLECGDVIRIPAGTFFYLINRDNNE 359  
688 -----EQLKREHEERERQELAE-----QEQRER 715  
360 L--HIAKPLQTTSTGQYKEFPFAGQNPYLTSTSKELLEALNTQALRGVLGQOR 417  
716 IKSRIPLKQWQMOLESEADARQ-----SKYLLLEPQAGRALEAPQOQDEKER 759  
418 EGVIIASQEQRLRLRDSER--WHIRGGESSRPYNLFNKRRLYSNKYGO--AY 472

Db 760 RESELQMOEEERAHROOQEEORRDFTWQNAEKEBRCQRILSARPLREQEROLRAE 819  
QY 473 EVKPEYROLQMDVSVFINITQSGMGPFFENTRSTKVYVAVSGADVEMACPILSGRI 532  
Db 820 ERQQRQRLPE-----DEER-----836  
QY 533 GGRGGRHEEEDVHYEQYKARLSKREALVDPVGHVPVFGNENLLFAPGIAQNN 592  
Db 837 --QRGRQREREKELQLEEEEOLOQRERA-----QOLQEEEDGLQEDQ 879  
QY 593 HENFLAGRENVLQOIEPQ---AMELAFAP-----RKVEELFNQODESIFFPQROH 643  
Db 880 RRQEOQRQDKMHWOLEEKKRRRHTLVAPALQEOURE--QOLQEEEBEL-----OR 932  
QY 644 QOQSSRSTKQOQ 655  
Db 933 EEREKRRROQE 944

RESULT 10  
US-08-728-323A-2  
Sequence 2, Application US/08728323A  
Patent No. 5948676

GENERAL INFORMATION:  
APPLICANT: Chang, Yuan  
APPLICANT: Bohenzky, Roy A.  
APPLICANT: Russo, James J.  
APPLICANT: Edelman, Isidore S.  
APPLICANT: Moore, Patrick S.  
TITLE OF INVENTION: Immediate Early Protein From Kaposi's  
TITLE OF INVENTION: Sarcoma-Associated Herpesvirus, DNA  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cooper & Dunham LLP  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/728,323A  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P.  
REGISTRATION NUMBER: 28,678  
REFERENCE/DOCKET NUMBER: 0575/52268/JPW/MSC/SKS  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-278-0400  
TELEFAX: 212-391-0525  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1162 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-728-323A-2

Query Match 6.2%; Score 218.5; DB 2; Length 1162;  
Best Local Similarity 26.0%; Pred. No. 2.5e-11;  
Matches 61; Conservative 64; Mismatches 91; Indels 19; Gaps 5;

34 QEEYECKRCQMOLETSQMRVCSDCKRFEEDIDMSKYNDPOTDCCQOQRCROO 93  
Db 580 QQREPOQREPOQREPOQOQDEQ---QOQDEQ-QOQDEQOQOQOQOQOQOQOQOQOQ 635



APPLICANT: Frank, Glenn R.  
APPLICANT: Griewe, Robert B.  
TITLE OF INVENTION: NOVEL PARASITIC HELMINTH  
TITLE OF INVENTION: P22U PROTEINS  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sheridan Ross P.C.  
STREET: 1700 Lincoln St., Suite 3500  
CITY: Denver  
STATE: CO  
COUNTRY: U.S.A.  
ZIP: 80203  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/460,428A  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Connell, Gary J.  
REGISTRATION NUMBER: 32,020  
REFERENCE/DOCKET NUMBER: 2618-13-3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 303/863-9700  
TELEFAX: 303/863-0223  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 303 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-460-428A-2

Query Match 4.1%; Score 146; DB 2; Length 303;  
Best Local Similarity 24.6%; Pred. No. 1.6e-05;  
Matches 52; Conservative 46; Mismatches 87; Indels 26; Gaps 10;

QY 32 DROEYECRKQ--CMQLETS---GOMRRC--VSQCDKRFEE-----DIDMSKYDNDPP 78  
DB 97 DDEDLDECSQDERFCRYLAKTLICVHYLTKICDGDGSDSDENKADDEVITSINENESI 156  
QY 79 QTDCCQCCQRRCRQESGP--RQOQYCORR--CKEICEEBE--EYNRRDPQOQYEQCCERC 133  
DB 157 NTRCDQDFRC--ENGKCIQIDRCNRRKYDCDDGTDETCCEYFVALQDARGVTVDNA 213  
QY 134 QRIETPRHMQTCQRCER-RYEKKRKOQRYEEOQREDEEYERMMKEEDNKRPQOR 192  
DB 214 IRDELPNTVSMEOKYDYDKEDKERRMOEEEOERLREYEOIQKLKOEEREROEOE 273  
QY 193 EYEDCRRCOEPRQOYOCQRCRCRQOROH 223  
DB 274 RKQKEREMQERIRQEYD---EKERQRY 300

RESULT 14  
US-08-458-860A-2  
Sequence 2, Application US/08458860A  
Patent No. 6100390  
GENERAL INFORMATION:  
APPLICANT: Frank, Glenn R.  
APPLICANT: Tripp, Cynthia A.  
APPLICANT: Griewe, Robert B.  
TITLE OF INVENTION: NOVEL PARASITIC HELMINTH  
TITLE OF INVENTION: P22U NUCLEIC ACID MOLECULES  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sheridan Ross P.C.  
STREET: 1700 Lincoln St., Suite 3500  
CITY: Denver

STATE: CO  
COUNTRY: U.S.A.  
ZIP: 80203  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/458,860A  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Connell, Gary J.  
REGISTRATION NUMBER: 32,020  
REFERENCE/DOCKET NUMBER: 2618-13-2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 303/863-9700  
TELEFAX: 303/863-0223  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 303 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-458-860A-2

Query Match 4.1%; Score 146; DB 3; Length 303;  
Best Local Similarity 24.6%; Pred. No. 1.6e-05;  
Matches 52; Conservative 46; Mismatches 87; Indels 26; Gaps 10;

QY 32 DROEYECRKQ--CMQLETS---GOMRRC--VSQCDKRFEE-----DIDMSKYDNDPP 78  
DB 97 DDEDLDECSQDERFCRYLAKTLICVHYLTKICDGDGSDSDENKADDEVITSINENESI 156  
QY 79 QTDCCQCCQRRCRQESGP--RQOQYCORR--CKEICEEBE--EYNRRDPQOQYEQCCERC 133  
DB 157 NTRCDQDFRC--ENGKCIQIDRCNRRKYDCDDGTDETCCEYFVALQDARGVTVDNA 213  
QY 134 QRIETPRHMQTCQRCER-RYEKKRKOQRYEEOQREDEEYERMMKEEDNKRPQOR 192  
DB 214 IRDELPNTVSMEOKYDYDKEDKERRMOEEEOERLREYEOIQKLKOEEREROEOE 273  
QY 193 EYEDCRRCOEPRQOYOCQRCRCRQOROH 223  
DB 274 RKQKEREMQERIRQEYD---EKERQRY 300

RESULT 15  
5210183-3  
Patent No. 5210183  
APPLICANT: LINDAHL, GUNNAR;FRITZ, ELISABET;HEDEN, LARS-OLOF  
TITLE OF INVENTION: PROTEIN ARP, WITH IMMUNOGLOBULIN A  
BINDING ACTIVITY, THE CORRESPONDING VECTORS AND HOSTS, REAGENT  
KIT AND PHARMACEUTICAL COMPOSITION  
NUMBER OF SEQUENCES: 3  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/270,099  
FILING DATE: 14-NOV-1988  
PRIOR APPLICATION NUMBER: 186,097  
APPLICATION NUMBER: 186,097  
FILING DATE: 25-APR-1988  
SEQ ID NO:3  
LENGTH: 683

Query Match 4.0%; Score 140.5; DB 5; Length 683;  
Best Local Similarity 18.7%; Pred. No. 0.00018;  
Matches 132; Conservative 128; Mismatches 236; Indels 209; Gaps 31;

QY 79 QTDCCQCCQRRCRQESG---PRQOYTCQRCKEICEEBEY-----NRORDPQ----- 123



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Db 36 QTEVKAELIKKPOADSAMNMPKEYNALLKENELKVEREKYLSYADDEKDPQYRALMGE 95
124 -----QOYEOCQERCOHETEPRIHMTQOORCERRY-----EKERKQOKRYEEOQREDEE 174
Db 96 NODLRKREGOYQDKIELEKERKEKQEROQOLEROYOIEADKHQEOQKKHOEOQOLEA 155
QY 175 KYERMKEE--DNKRDPQOREYEDCRR-----RCEOQEPQOYQOCORRCRE----- 218
Db 156 EKOKLAKDKQLSDASRQGLSRDLASRAKKLELEAQAOKLKEEKQISDASRQGLSRDLEA 215
QY 219 -QOROHGRGDL-----INPQRGSGRYERDEKEKQSDNPLYFEDERSLSTREFT 265
Db 216 SREKKKVEADLAEANSKLOALEKLNKE-----LEEG-KKISEK-----EKAEIQARLEA 264
QY 266 EEGHISYLENFYGRSKLLBALKNYRLVLEANPAFLPT----- 305
Db 265 EAK--ALKEQLAKQAEELAKLG-----NOTNAAKAPQANRSRSAMTQOKRTLDPSTGE 316
QY 306 ----HIDADAILLVYGGRGALMKMHRDNR-----ESYNLECGDYIRIPAGTTFY 350
Db 317 KANPFTAAATVAVWSAGMLALKLKEENKKPOADSAMNMPKEYNALLKENELKVEREKY 376
QY 351 LIRDNNEERLHAKFLQTIPTQOYKEFFPAGQONPEPYLSTFSKE----- 396
Db 377 LSYADKE-----KDPQYRALMGENODLRKREGOYQDK-IELEKERKEKQEROQOLERQ 430
QY 397 -ILEAALNTOAERLRGVLGOOREGVITISASOEQIRELTRDSESRMHIRGGESSRGPY 455
Db 431 YQIEADKHQEOQKK-----HQOEOQOLEAKQOKLAK-DKOISDASRQGLSRDLEASRA-- 483
QY 456 NLENKRPLYSNKYGQAYEVKPEBYROLQDMDVSVFIANTITQSGMGPFFENTRSTKYVVA 515
Db 484 -----AKKELEAEHQLEKEKQISDAS-----RQGL-----SRDLEASREA 519
QY 516 SGADYEMACPHLSGRH-----GGRRCGKRHEEEDVHYEQVKARL----SKRE 560
Db 520 KKKVEADLAA--LTAHQRLKEDEKQISDASRQGLSRDLEASRERKKKVEADLAEANSKLO 577
QY 561 AIYVYVGHPIVYVSSGNENLLFAFGINQNNHENFLAGREERNVLO--QIEPQAMELAF 617
Db 578 AL-----EKL-----NKELEGGKKLSEKKAELQARLEAEAKALKEOL 615
QY 618 AAPRKEVEELLFNSQDESIFEPGPR--OHQOOSRSTKQOQPLVS 659
Db 616 AKQAEELAKLGNGT-----PNAKVAPQANRSRSAMTQOKRTLPS 655
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Search completed: March 1, 2001, 15:49:33  
Job time: 378 sec

